11-5820-335-20P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LISTS, TRANSMITTER RADIO T-195/GRC-19, T-195A/GRC-19, AND T-195B/GRC-19

Headquarters, Department of the Army, Washington, D. C. 20315
28 July 1965

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SECTION I
INTRODUCTION

1. Scope

a. This manual lists the repair parts authorized for organizational maintenance and constitutes a basis of requisitioning when the major item of equipment is authorized to the organization. These equipments are issued on the basis of allowances prescribed in equipment authorization tables and other documents which are a basis of requisitioning. This equipment is combat essential.

b. Columns are as follows:

(1) *Federal stock number.* This column lists the 11-digit Federal stock number.

(2) *Designation by model.* Not used.

(3) *Description.* Nomenclature or the standard item name and brief identifying data for each item are listed in this column. When requisitioning, enter the nomenclature and description.

(4) *Unit of issue.* The unit of issue is each unless otherwise indicated and is the supply term by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.

(5) *Expendability.* Nonexpendable items are indicated by NX. Expendable items are not annotated.

(6) *Quantity incorporated in unit.* This

* This manual supersedes TM 11-5820-335-20P, 21 December 1961, including C2, 28 December 1963.

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column lists the quantity of each part found in a given assembly, component, or equipment.

(7) *Organizational.* An asterisk (*) indicates that an item is not authorized for storage but if required, may be requisitioned for immediate use only.

(8) *Illustration.* The "Item No." column lists the reference designations that appear on the part in the equipment. These same designations are also used on any illustrations of the equipment. The numbers in the "Figure No." column refer to the illustrations where the part is shown in TM 11-5820-335-20.

2. Parts for Maintenance

When this equipment is used by signal service organizations organic to the theater headquarters or communication zones to provide theater communications, those repair parts authorized up to and including general support are authorized for stockage by the organization operating this equipment.

3. References

A maintenance allocation chart is contained in TM 11-5820-335-20. A basic issue items list is contained in TM 11-5820-335-10.

4. Reporting of Equipment Manual Improvements

The direct reporting of errors, omissions, and recommendations for improving this equipment manual by the individual user is authorized and encouraged. DA Form 2028 will be used for reporting these improvements. This form may be completed using pencil, pen, or typewriter. DA Form 2028 will be completed by the individual using the manual and forwarded direct to Commanding General, U. S. Army Electronics Command, ATTN: AMSEL-MR-(NMP)-MA, Fort Monmouth, New Jersey 07703.

FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	EXP	QTY IN UNIT	MAINT ORG ALLOW.	ILLUSTRATION FIGURE NO.	ILLUSTRATION ITEM NO.
		TRANSMITTER, RADIO T-195/GRC-19, T-195A/GRC-19, T-195B/GRC-19						
5820-503-3428		TRANSMITTER, RADIO, T-195/GRC-19, T-195A/GRC-19, T-195B/GRC-19: A1,A3 type of emission, 100 w max power output; 1.5 to 20.0 mc freq. 10 bands, 8 channels; power input 25.5 v.		MX	1			
		GROUP I AMPLIFIER ELECTRONIC CONTROL						
5820-396-3212		CAP, ELECTRICAL: For chopper Sig dwg #SM-C-143399			1	•		
5945-709-6017		CHOPPER, ELECTRONIC: Transistorized; Stewart Warren #0576951			1	•	6	0901
5960-193-5154		ELECTRON TUBE: MIL 5751			2	•	5	V-901 V-903
5960-537-3966		ELECTRON TUBE: MIL #6005/6AQ5W/6095			2	•	5	V-902 V-904
5960-295-7652		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143429-3 TS-102U03			2	•	6	E-902 E-904
5960-636-0115		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143479-5			2	•	5	E-901 E-903
		GROUP II AMPLIFIER RADIO FREQUENCY:						
5820-396-3147		CHOPPER, ELECTROMECHANICAL: Sig dwg SM-C-143398			1	•	6	0-201
5960-264-3001		ELECTRON TUBE: MIL #4X150D			1	•	5	V-201
5960-193-5154		ELECTRON TUBE: MIL #5751			1	•	8	V-204
5960-188-3915		ELECTRON TUBE: MIL #5762			1	•	6	V-202
5960-537-3966		ELECTRON TUBE: MIL #6005/6AQ5W/6095			1	•	6	V-203
5960-295-7652		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143429-3 MIL #TS-102U03			1	•		E-223
5960-636-0115		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143-429-5			1	•		E224
5960-284-4352		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143429-6 MIL TS103U03			1	•		E-222
		GROUP III MODULATOR SUBASSEMBLY:						
5960-264-3001		ELECTRON TUBE: MIL 4X150D			2	•	5 5	V-406 V-407

FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	SMR	QTY IN UNIT	MAINT ORD ALLOW.	ILLUSTRATION FIGURE NO.	ILLUSTRATION ITEM NO.
		T-195/GRC-19, T-195A/GRC-19, T-195B/GRC-19 (continued)						
5960-262-0167		ELECTRON TUBE: MIL 12AT7WA			2	*	5	V-401 V-403
5960-262-0185		ELECTRON TUBE: MIL 5726/6AL5W			1	*	5	V-402
5960-262-0210		ELECTRON TUBE: MIL 5814A			1	*	5	V-404
5945-259-6610		RELAY, TERMAL: SPST, AC, DC, 27.5 v max, 6 amp; Sig dwg SM-C-143751			1	*	5	K403
5960-636-0115		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143429-5			2	*	5	E-401 E-403
5960-296-4175		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143429-1			1	*	5	E-402
		GROUP IV OSCILLATOR, RADIO FREQUENCY EXCITER ASSEMBLY						
5960-262-0152		ELECTRON TUBE: MIL 6AU6WA			1	*	4	V-101
5960-188-3551		ELECTRON TUBE: MIL 6AK6			2	*	4	V-102 V-103
5960-188-3915		ELECTRON TUBE: MIL 5763			1	*	4	V-104
5960-564-4772		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143429-2			3	*	4	E-101 E-102 E-103
5960-284-4352		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143429-6 MIL TS103U03			1	*	4	E-10
		GROUP V OSCILLATOR, RADIO FREQUENCY (VFO)						
5960-264-2089		ELECTRON TUBE: MIL 9749/6BA6W			2	*	4	V-801 V-802
5960-564-4772		SHIELD, ELECTRON TUBE: Sig dwg SM-C-143429-2			2	*	4	E-801 E-802
		GROUP VI PANEL AND FRAME GROUP						
5940-566-3862		CAP ELECTRICAL: Rubber covered for binding post J-615; Lorraine Mfg #1010			1	*		
5820-096-7084		COVER, AIR INLET: Sig dwg SM-C-144207			1	*		
5820-039-7257		COVER, AIR OUTLET: Sig dwg SM-C-144218			1	*		

FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	SMP	QTY IN UNIT	MAINT ORD ALLOW.	ILLUSTRATION FIGURE NO.	ILLUSTRATION ITEM NO.
		T-195/GRC-19, T-195A-B/GRC-19 (continued)						
[illegible]-502-9672		COVER, ELECTRICAL CONNECTOR: Sig dwg SM-C-140971-3			1	*		
5960-503-4880		ELECTRON TUBE: MIL OA2WA			1	*	4	V-601
5930-262-7143		FILTER, AIR CONDITIONER: Sig dwg SM-D-143971-18			1	*		
5920-012-0151		FUSE, CARTRIDGE: 15 amp, 32 vdc; MIL FO4A15R0A			1	*		F601
5920-142-4824		FUSE, CARTRIDGE: 10 amp, 32 vdc; MIL FO5A10R0B			1	*		F-602
5920-565-0035		FUSE, CARTRIDGE: 30 amp, 32 vdc; MIL FO5A30R0B			1	*		F-603
5355-721-8952		KNOB: Sig dwg SM-B-144418			1	*		
5355-163-9955		KNOB: Sig dwg SM-B-16552			1	*		
5355-667-9004		KNOB: Sig dwg SM-B-143975			1	*		
5355-170-4537		KNOB: Sig dwg SM-B-144319 Automatic Mfg Corp. 3625			1	*		
5355-855-4385		KNOB: Sig dwg SM-B-144318			1	*		
5355-855-4385		KNOB: Sig dwg SM-B-144318			1	*		
5355-842-8704		KNOB: Sig dwg #SM-B-144240			2	*		
5355-577-4084		KNOB: Sig dwg SM-C-328371			1	*		

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
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  Ft Devens (5)
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NG: State AG (3); Units—Same as Active Army except allowance is one copy to each unit.

USAR: None.

For explanation of abbreviations used, see AR 320-50.

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